Claims

1. Color organic display (OLED display) with pixels (1), which comprise in each case a subpixel set (2, 3, 4) with the colors, red, green, and blue, having:
- a substrate (5), which is at least partially transparent to visible light,
- a structured color filter (6), which generates the colors of the subpixels (2, 3, 4) and is subsequently arranged on the substrate (5),
- a first electrode (7, 9) subsequently arranged on the color filter (6), which is at least partially transparent to visible light,
- at least one active layer (8) subsequently arranged on the first electrode (7, 9), containing an emissive material, which is suitable for the generation of electromagnetic radiation, whose spectrum is matched to the color filter (6) such that the pixels (1) during control with the same electrical signal emit light whose color location lies within the white region of the CIE diagram, and
- a second electrode (7, 9) subsequently arranged on the active layer (8).

2. Organic display according to claim 1, wherein the emissive material contains polymers with:
- first chromophores (10), which produce a green color impression, and
- second chromophores (11), which produce a red color impression.

3. Organic display according to claim 2, wherein the polymers contain chromophores (12), which produce a blue color impression.

4. Organic display according to any one of the preceding claims, whose first electrode (7, 9) is an anode and comprises ITO.

5. Organic display according to any one of the preceding claims, wherein the active layer (8) contains polyspiro compounds.

6. Organic display according to any one of the preceding claims, wherein the active layer (8) contains polyfluorene compounds.

7. Organic display according to any one of the preceding claims, wherein the individual subpixels (2, 3, 4) of the subpixel set have the same lifetime.

8. Use of an organic display with color filter technology (6) according to any one of the preceding claims in electronics.

9. Use of an organic display with color filter technology (6) according to any one of the preceding claims for lighting purposes with adjustable color.